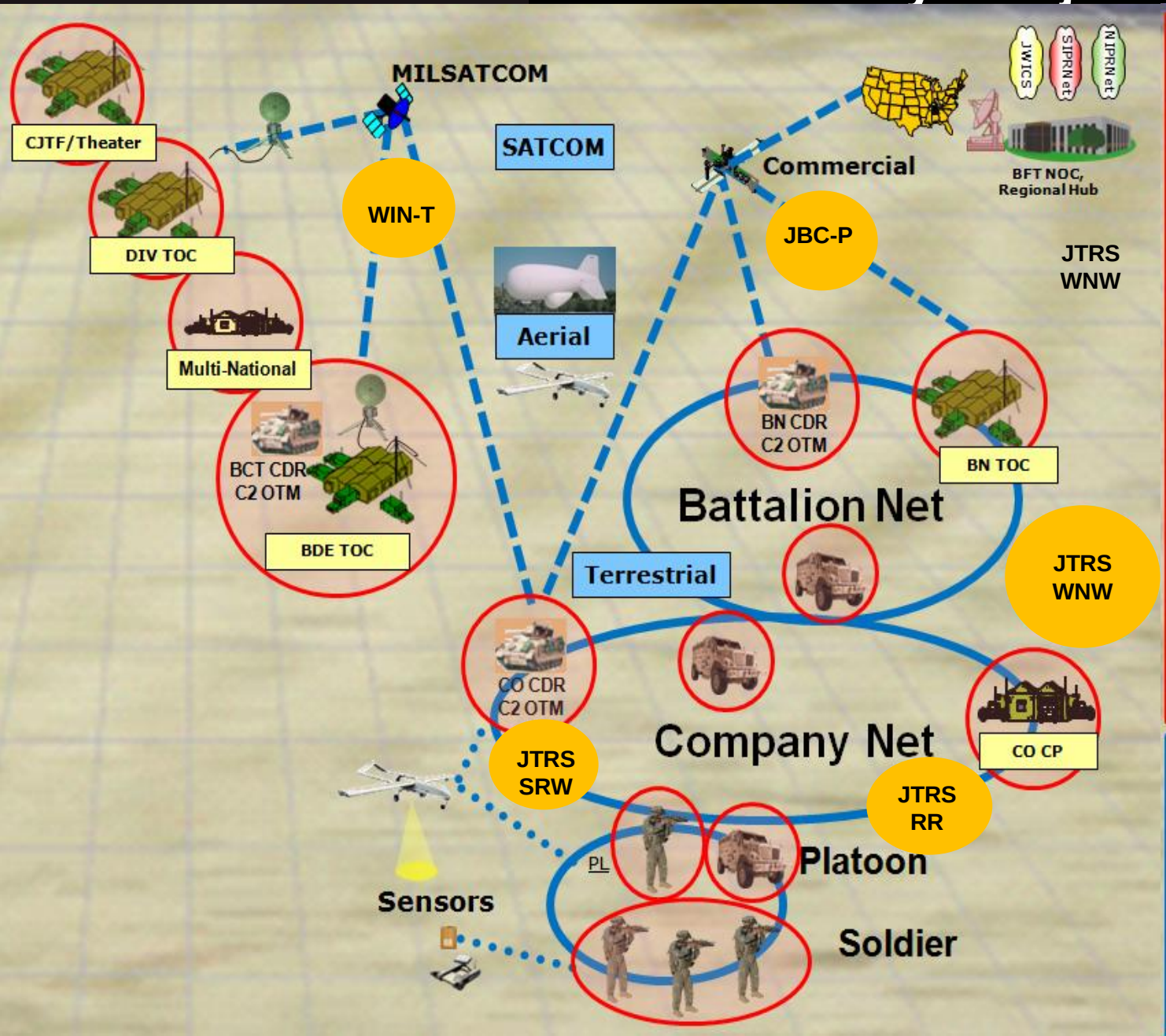
Network Enabled Mission Command Strategy

A Fundamental change to the way the Army acquires, tests, and fields Network Capability

Deployed Mission Command
The Army's Objective Endstate



Mission Command Capabilities

- C2 On-the-Move
- Display & share relevant tactical info
- JIIM interoperability
- Standard & shareable geospatial foundation
- Enable Multi-form Collaboration
- Create, communicate & rehearse orders
- Execute running estimates
- Training Support

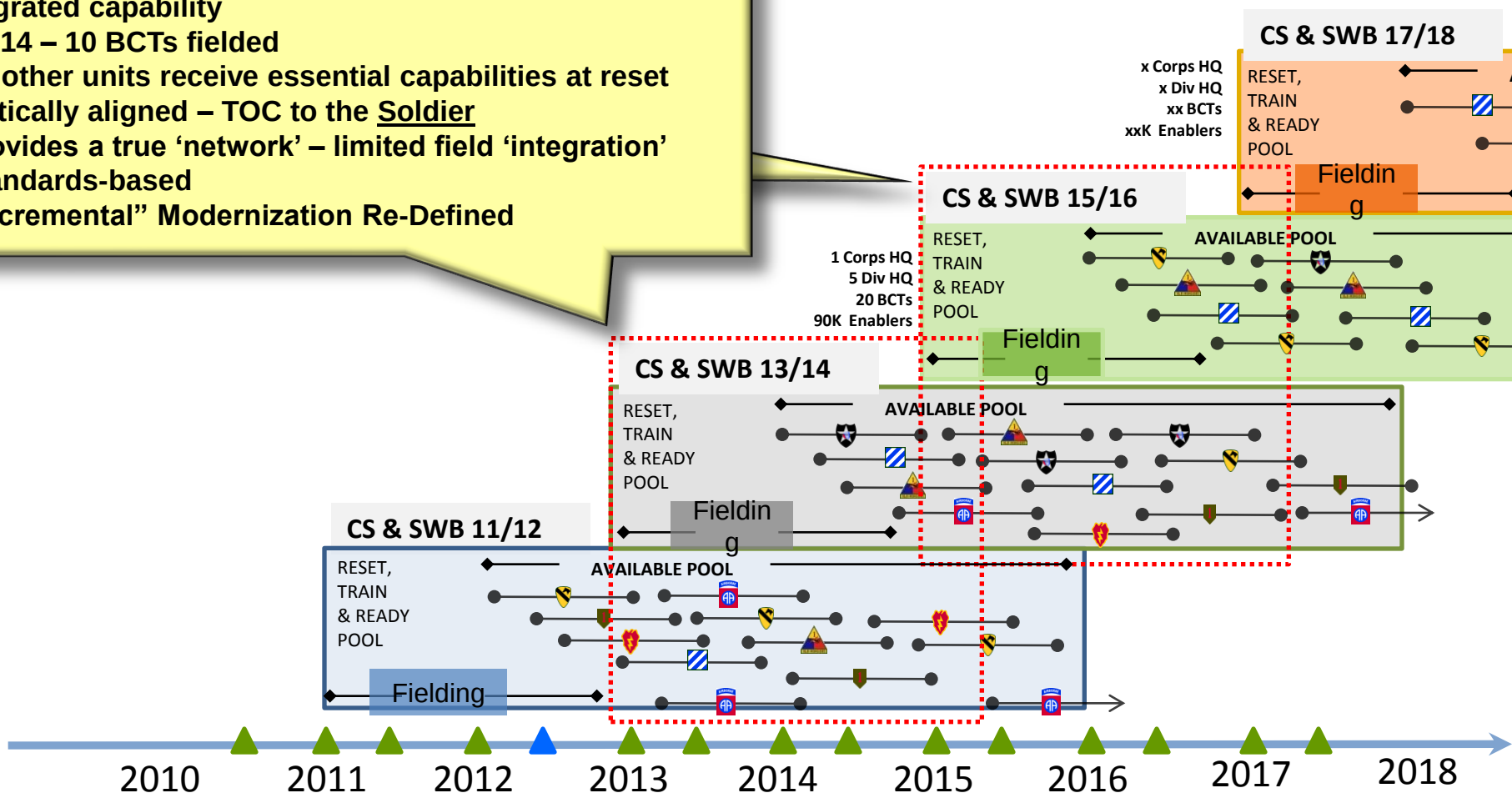
Enabling Network Capabilities

- Robust Network Transport
- Execute Tactical Network Operations

Managing the Network with Capability Sets

Building Capability Sets (CS):

- Aligned to ARFORGEN
  - CS 13 – 8 BCTs modernized with validated / fully integrated capability
  - CS 14 – 10 BCTs fielded
- All other units receive essential capabilities at reset
  - Vertically aligned – TOC to the Soldier
- Provides a true 'network' – limited field 'integration'
- Standards-based
- "Incremental" Modernization Re-Defined



Our Most Important Task
Aligning the Network Against ARFORGEN

CS = Network Capability Set
SWB = Software Block
▲ = Network Integration Evaluation

The Network Evaluation Construct

What Fort Bliss Brings to the Game

Brigade Mission Command (BMC)

- Network Evaluation and Testing in a Fully Loaded Operational Network Environment with Operational Forces
- Disciplined Entry Point for New and Emerging Technologies
- Standard, Repeatable Evaluation Process Across the entire DOTML-PF
- Informs Decision Making, Architecture, Doctrine, Policies, etc…

THEATER

INDUSTRY

2/1 AD
Brigade
Mission Command

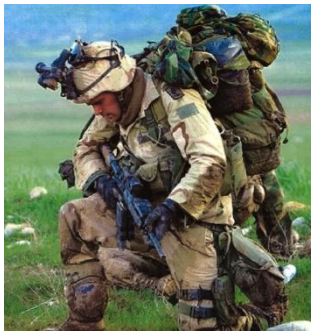
DoD

DARPA

ARMY BATTLE LABS

"Making the BMC the centerpiece of integrated Network training, testing, and DOTMLPF evaluation"

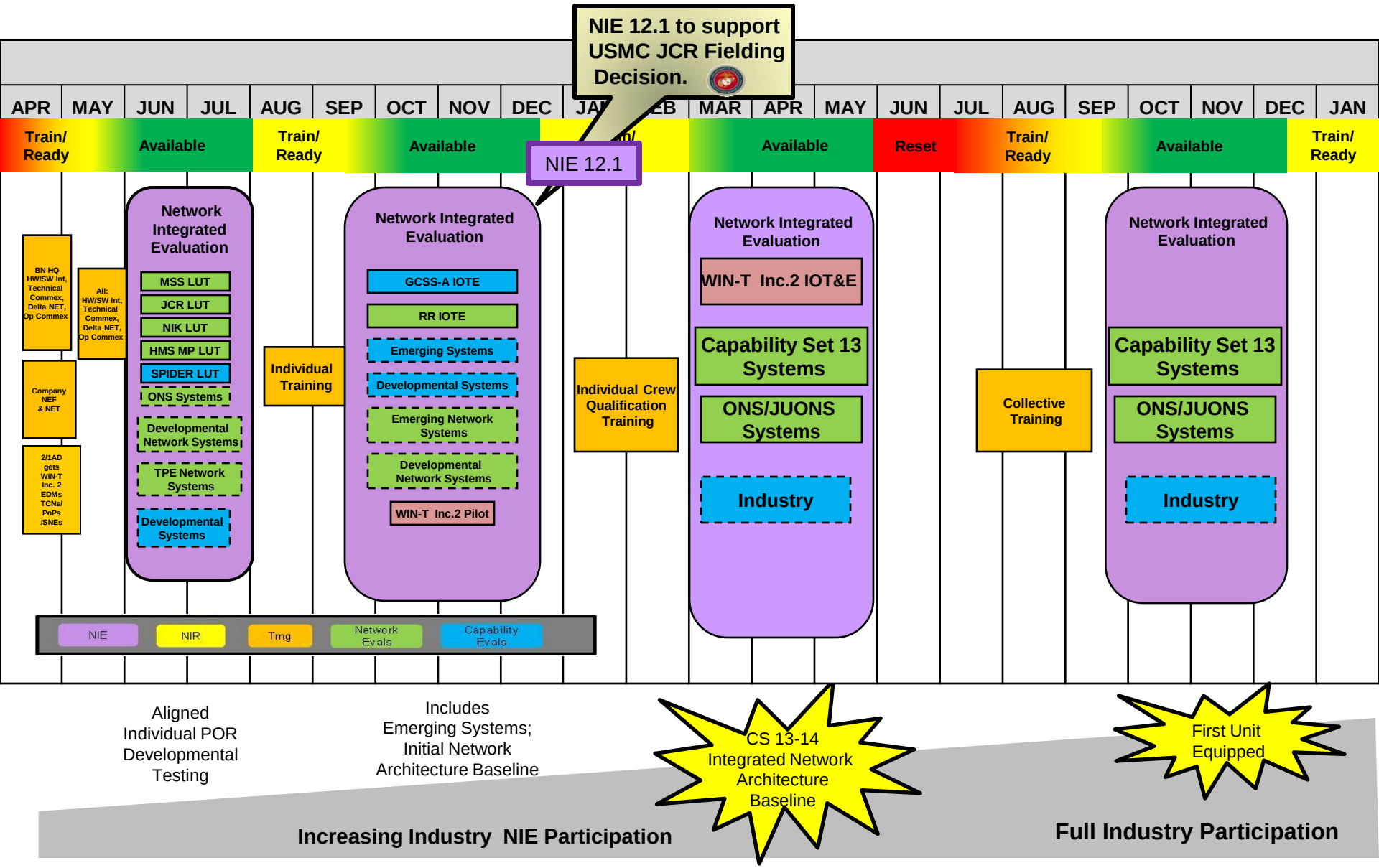
Taking the integration burden off of the operating force and putting it back on the generating force



AMERICA'S ARMY:
THE STRENGTH OF THE NATION™

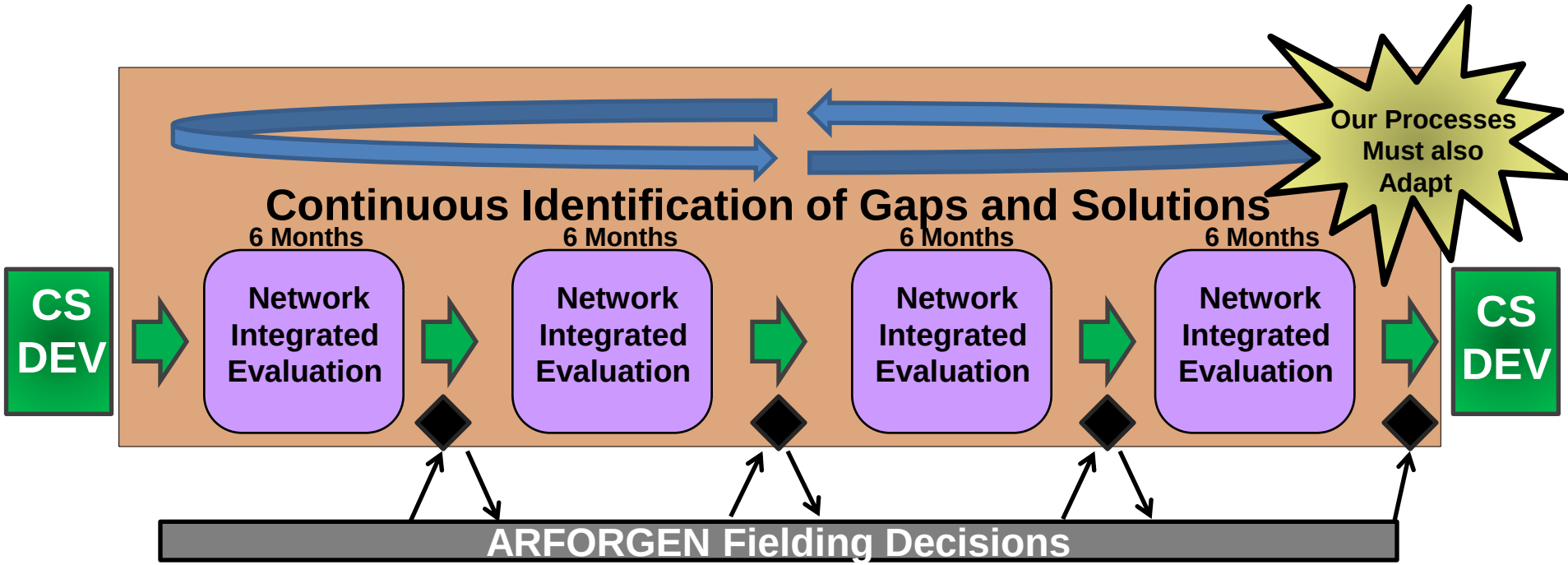
Implementing Capability Set Management

Network Maturation Over Time



Why is this different?

The Value of the NIE



- ★ **Operational Evaluation w/Operational BCT**
- ★ **Not Just "Aligning" Programs of Record**
- ★ **Industry is a Key Player in This Approach**
- ★ **Drives Army Towards "an Integrated Network Capabilities Baseline"**

- ★ **The NIE Allows Us to:**
  - ID Capability Gaps
  - Refine Requirements
  - Solicit Best Industry Solutions
  - Integrate & Test Holistically

Soldier Connectivity—NIE 11.2

The Army Evaluated Several Soldier Communications Capabilities to Include Nett Warrior and Other COTS Solutions. Soldier Feedback Told us we Have our Requirements for NW Wrong– Our Adjustment of These Requirements Will Provide a Capability Sooner and at a Significantly Reduced Cost.

Back up

Mission Command Portfolio Implementing CS Management

"Leveling the Bubbles"

Aligning Programs to Provide Capability Sets

Aligned To ARFORGEN

Legacy Approach

Capability	BC ATH	BC OTM	NET RADIO	NET RADIO				COP	CO CP	Aerial Tier
Programs	WIN-T INC1 B	WIN-T Inc 2	JTRS GMR (WNW)	JTRS HMS MP	SPIN OUT INC 1	Nett Warrior	JTRS RR	JBC-P	SNAP HNR	HNR SFF(B)

Revised Approach CS 13

Capability	Network Infrastructures				Command Post				Platform Capability		Dismount Capability		
Programs	WIN-T Inc 1	WIN-T INC2	GBS	SMART-T	SICPS	Std, Integrated CP	Co CP	TBC/ DCGS	JBC-P	DATA RADIO	JBC-P HH/NW EUD	JTRS HMS MP	JTRS RR

8 BCT CS

Capability	Network Infrastructures				Command Post				Platform Capability		Dismount Capability		
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BCT													

12 BCT CS

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MFSB													
FSB													

Bde CS

Continuous Capability Portfolio Review ….

- ***Established Capability Set Management Process***
- ***"Sunsetted" the EIBCT network investments***
- ***Restructuring the JTRS program***
- ***Comprehensive CP Strategy***
- ***Initial Common End User Device plan***
- ***Executing NIE Construct***
- ***Ensure Interoperability Across ARFORGEN***

The Network

The Mission Command Imperatives - The Ways

Build the Network First … Then "Fill" It.

1. **Build Capacity (Transport)**
   - Deliver Robust Network Capability to as many formations as possible
   - Thicken and Extend the Network By Increasing the Aerial Layer Assets
   - Connect the Dismounted Soldier to the network (to include BLOS)
   - Develop and field an affordable, scalable Company CP capability
2. **Edge Network Integration (Computing Environment)**
   - Deliver cost efficient, common integrated platform & integrated computer hardware.
   - Establish common network architecture
3. **Common Operating Environment (COE) Implementation (Applications)**
   - Build interoperability up front
   - Embrace commercial technology to improve capability and reduce costs
4. **Enhanced Mission Command**
   - Implement a single mobile mission command capability.
   - Collapse Mission Command functionality in the Command Post environment
5. **Deploy integrated capabilities to the Warfighter**
   - Use of NIE to evaluate and field an integrated Network
   - Implement a 'standards-based" network aligned with industry